K010084

MAR 1 6 2001

510(k) Summary

This summary of 510(k) safety and effectiveness information is being submitted in accordance with the requirements of the SMDA 1990 and 21 CFR § 807.92.

Name:	Cameron Mahon Director of R & D
Address:	***XLTEK*** 2568 Bristol Circle Oakville, Ontario Canada, L6H 5S1
Telephone:	(905) 829-5300
Fax:	(905) 829-5304
E-mail:	research@xltek.com
Common Names:	Real Patient 128 Channel EEG Headbox
Classification Name:	Electroencephalograph Analyzer, spectrum, Electroencephalogram signal
Predicate Devices:	128-Channel EEG Headbox [FDA(510k) K000919].
Description:	The Real Patient 128 Channel EEG Headbox is a digital electroencephalograph. The Real Patient 128 Channel EEG Headbox allows for the distribution of EEG data via TCP/IP, Intranet, Internet, and physical means.
Substantial Equivalence:	The XLTEK Real Patient 128 Channel EEG Headbox is substantially equivalent in safety and effectiveness to the 128 Channel EEG Headbox [FDA(510k) K000919]. The Real Patient 128 Channel EEG Headbox allows for the distribution of EEG data via TCP/IP, Intranet, Internet, and physical means.
Indications for Use:	The Real Patient 128 Channel EEG Headbox is intended to be used as an electroencephalograph: to acquire, store, and archive electroencephalographic signals.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

MAR 1 6 2001

Ms. Debbie Davy
Research and Development
Excel Tech, Ltd.
2568 Bristol Circle
Oakville, Ontario
Canada L6H 5S1

Re: K010084
Trade Name: Real Patient 128 Channel EEG Headbox
Regulatory Class: II
Product Code: GWQ
Dated: January 8, 2001
Received: January 11, 2001

Dear Ms. Davy:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the current Good Manufacturing Practice requirement, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic (QS) inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4595. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "http://www.fda.gov/cdrh/dsmamain.html".

Sincerely yours,

for Miriam C. Provost

Celia M. Witten, Ph.D., M.D.
Director
Division of General, Restorative
and Neurological Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

Statement of Indications for Use

Page 1 of 1

510(k) Number (if known): K010084

Device Name: Real Patient 128 Channel EEG Headbox

Indications for Use: The Real Patient 128 Channel EEG Headbox is intended to be used as an electroencephalograph: to acquire, store, and archive electroencephalographic signals.

(PLEASE DO NOT WRITE BELOW THIS LINE – CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use ✓ OR Over-The Counter Use _____
(Per 21§ CFR 801.109)

(Optional Format 1-2-96)

Miriam C. Provost
(Division Sign-Off)
Division of General, Restorative
and Neurological Devices

510(k) Number K010084